



# **FORM PTO-1449** **INFORMATION DISCLOSURE CITATION**

Atty Docket  
**LU 6079 (US)**

Serial No.  
**10/539,342**

Applicant  
**Shahram Mihan et al.**

Filing Date  
**June 16, 2005**

Group Art Unit  
**1713**

## **U.S. PATENT DOCUMENTS**

Examiner Initial		Document Number	Issue Date	Name	Class	Sub-Class	Filing Date
	AA	3,125,547	03/17/64	Blatz			
	AB	3,242,150	03/22/66	Scoggin			
	AC	3,248,179	04/26/66	Norwood			
	AD	5,246,783	09/21/93	Spenadel et al.			
	AE	5,281,679	01/25/94	Jejelowo et al.			
	AF	5,625,016	04/29/97	Schiffino et al.			
	AG	6,240,507	05/29/01	Derrick et al.			
	AH	6,350,814	02/26/02	Bauer et al.			
	AI	6,420,507	07/16/02	Kale et al.			
	AJ	6,588,905	07/08/03	Sekine			
	AK	6,642,313	11/04/03	Kazakov et al.			
	AL	6,699,948	03/02/04	Mihan et al.			
	AM	6,723,675	04/20/04	Wang			
	AN	6,737,130	05/18/04	Ferri			
	AO	6,787,498	09/07/04	Mihan et al.			
	AP	6,812,185	11/02/04	Fischer et al.			
	AQ	6,838,563	01/04/05	Mihan et al.			
	AR	6,911,516	06/28/05	Mihan et al.			
	AS	6,919,412	07/19/05	Mihan et al.			
	AT	6,924,248	08/02/05	Mihan et al.			
	AU	7,094,724	08/22/06	Fraaije et al.			
	AV	2003/0036658 (corresponds to US 6,699,948; US 6,919,412)	02/20/03	Mihan et al.			
	AW	2003/0036662 (corresponds to US 6,787,498; US 6,919,412)	02/20/03	Mihan et al.			
	AX	2003/0055267 (corresponds to US 6,838,563; US 6,919,412)	03/20/03	Mihan et al.			
	AY	2003/0176275 (corresponds to US 7,094,724)	09/18/03	Fraaije et al.			
	AZ	2003/0236164 (corresponds to US 6,812,185; US 6,588,905)	12/25/03	Fischer et al.			

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<b>U.S. PATENT DOCUMENTS</b>							
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	BA	2004/0033890 (corresponds to US 6,924,248)	02/19/04	Mihan et al.			
	BB	2005/0282979	12/22/05	Mihan et al.			
<b>FOREIGN PATENT DOCUMENTS</b>							
		Document Number	Date	Country	Class	Sub-Class	Translation
	BC	19745047 (corresponds to US 6,350,814)	04/15/99	DE			
	BD	100,843	02/22/84	EP			
	BE	416,815	03/13/91	EP			
	BF	420,436	04/03/91	EP			
	BG	608,369	08/03/94	EP			
	BH	662,989	07/19/95	EP			
	BI	728,160	08/28/96	EP			
	BJ	899,278	03/03/99	EP			
	BK	90/03414	04/05/90	WO			
	BL	91/09882	07/11/91	WO			
	BM	93/03093	02/18/93	WO			
	BN	93/12151	06/24/93	WO			
	BO	95/27005	10/12/95	WO			
	BP	98/03559	01/29/98	WO			
	BQ	98/44011	10/08/98	WO			
	BR	01/12687 (corresponds to US 6,911,516)	02/22/01	WO			
	BS	01/96417 (corresponds to US 6,924,248; US 2004/0033890)	12/20/01	WO			
	BT	2004/056481	07/08/04	WO			
	BU	2004/056878	07/08/04	WO			
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	BV	S. Arndt, "Alkyl Complexes of Rare-Earth Metals That Contain a Furyl-Functionalized Cyclopentadienyl Ligand: Alkyl Cation Formation and Unexpected Ring-Opening Reaction of the Furyl Group," <i>Organometallics</i> , Vol. 22, p. 775-781 (2003)					
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	CB		L. Wild, "Temperature Rising Elution Fractionation," <u>Advances in Polymer Science</u> 98, p. 1-47 (1999)
	CC		B. Monrabal, "Crystallization Analysis Fractionation: A New Technique for the Analysis of Branching Distribution in Polyolefins," <u>J. of Applied Polymer Science</u> , Vol. 52, p. 491-499 (1994)
	CD		M. Enders et al., "New Chromium (III) Complexes as Highly Active Catalysts for Olefin Polymerization," <u>Organometallics</u> , Vol. 20(24), p. 5005-5007 (2001) XP-001112032
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	CF		G. Kraus et al., "A Method for Characterization of Long-Chain Branched Polymers by GPC and Intrinsic Viscosity," <u>J. Polymer Sci.: Symposium No. 43</u> , p. 329-343 (1973)
	CG		M. Pollard et al., "Observation of Chain Branching in Polyethylene in the Solid State and Melt via <sup>13</sup> C NMR Spectroscopy and Melt NMR Relaxation Time Measurements," <u>Macromolecules</u> , Vol. 37(3), p. 813,825 (2004)
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	CN		S. Bin Wadud et al., "Shear and extensional rheology of sparsely branched metallocene-catalyzed polyethylenes," <u>J. Rheol.</u> , Vol. 44(5), p. 1151-1167 (2000)
	CO		D. Yan et al., "Effect of long chain branching on rheological properties of metallocene polyethylene," <u>Polymer</u> , Vol. 40, p. 1737-1744 (1999)

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	DC		C. Gabriel et al., "Analytical and rheological characterization of long-chain branched metallocene-catalyzed ethylene homopolymers," <u>Polymer</u> , Vol. 43, p. 6383-6390 (2002)
	DD		B. Zimm et al., "The Dimension of Chain Molecules Containing Branches and Rings," <u>The Journal of Chemical Physics</u> , Vol. 17(12), p. 1301-1314 (1949)
	DE		H. Barth et al., <u>Modern Methods of Polymer Characterization</u> , Chemical Analysis, Vol. 113, New York: Wiley (1991); Table of Contents
	DF		Hadjichristidis et al., "Well-Defined, Model Long Chain Branched Polyethylene. 1. Synthesis and Characterization," <u>Macromolecules</u> , Vol. 33(7), p. 2424-2436 (2000)
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	DH		J. Stange et al., "Rheological behavior of blends from a linear and a long-chain branched polypropylene," <u>J. Rheol.</u> , Vol. 49(5), p. 1059-1079 (2005)
	DI		H. Münstedt et al., "Rheological measuring techniques and their relevance for the molecular characterization of polymers," <u>J. Non-Newtonian Fluid Mech.</u> , Vol. 128, p. 1-8 (2005)
	DJ		T. McLeish et al., "Molecular constitutive equations for a class of branched polymer: The pom-pom polymer," <u>J. Rheol.</u> , Vol. 42(1), p. 81-110 (1998)
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	DN		D. Lohse et al., "Well-Defined, Model Long Chain Branched Polyethylene. 2. Melt Rheological Behavior," <u>Macromolecules</u> , Vol. 35(8), p. 3066-3075 (2002)
	DO		C. Gabriel et al., "Influence of long-chain branches in polyethylenes on linear viscoelastic flow properties in shear," <u>Rheol Acta</u> , Vol. 41, p. 232-244 (2002)
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	EB	H. Park et al., "Influence of long-chain branching on time-pressure and time-temperature shift factors for polystyrene and polyethylene," <u>Rheol Acta</u> , Vol. 46, p. 153-159 (2006)
	EC	C. Gabriel et al., "Influence of molecular structure on rheological properties of polyethylenes," <u>Rheol Acta</u> , Vol. 37, p. 7-20 (1998)
	ED	G. Schlatter et al., "Fourier Transform Rheology of Branched Polyethylene: Experiments and Models for Assessing the Macromolecular Architecture," <u>Macromolecules</u> , Vol. 38, p. 6492-6544 (2005)
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	EK	Response and Amendment from currently pending Application Serial No. <b>10/538,540</b> with mail date 10/6/06
	EL	Office Action from currently pending Application Serial No. <b>10/538,540</b> with mail date 1/19/07
	EM	Response and Amendment from currently pending Application Serial No. <b>10/538,540</b> with mail date 7/19/07
	EN	Office Action from currently pending Application Serial No. <b>10/539,242</b> with mail date 7/3/07

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